

Liver

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C22.0, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 162.2-162.9

1994 Washington State Residents

Incidence and Mortality Summary by Sex

with rates per 100,000 and age-adjusted to 1970 US census population

Incidence			
	Male	Female	Total
All Reportable Cancers	94	57	151
Total Incidence Rates	3.7	1.9	2.7
Invasive Cancers*	94	57	151
Invasive Incidence Rates*	3.7	1.9	2.7
1994 National Rates*	4.7	1.6	3.0

*Excludes in situ cases

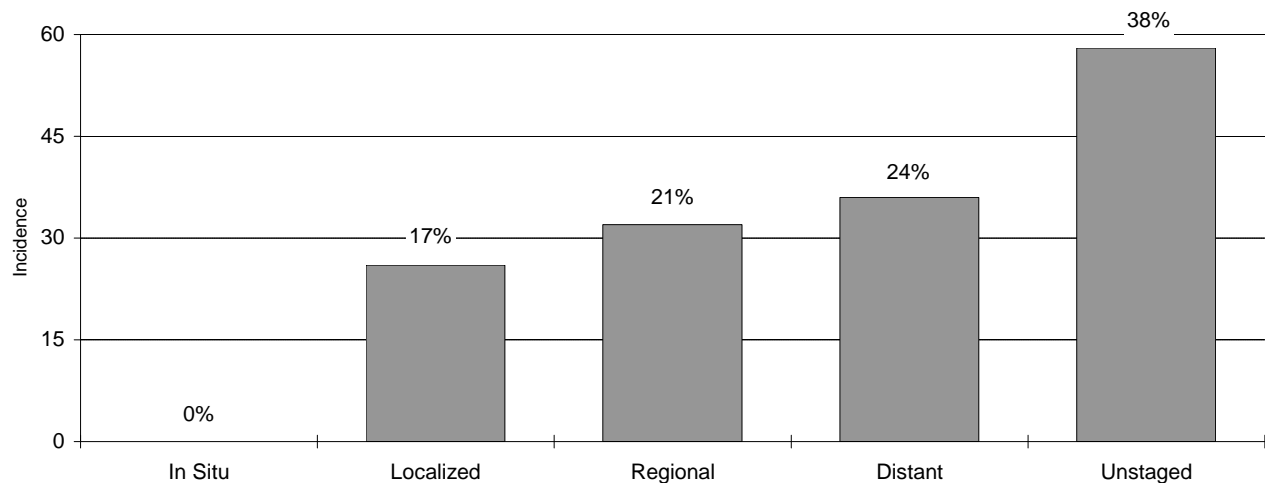
Mortality			
	Male	Female	Total
Deaths	116	74	190
Mortality Rates	4.5	2.3	3.3
1994 National Rates	4.1	1.4	2.7

1994 Washington State Residents

Stage at Diagnosis

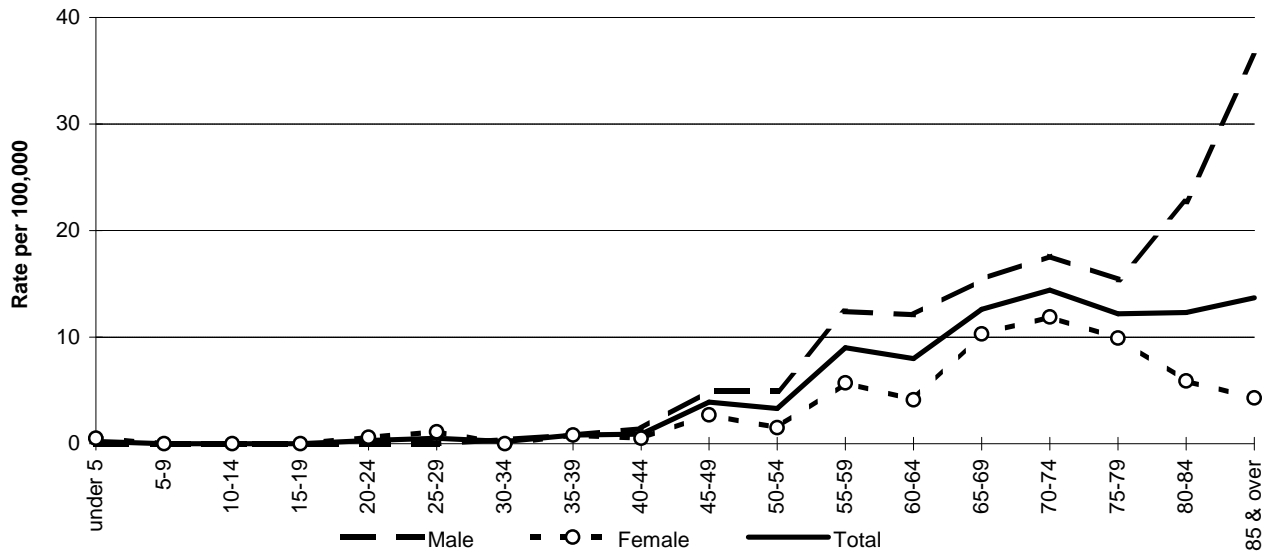
Total Incidence and Percents

	All Stages	Localized
5-Year Survival Rates (US)	5.8%	13.1%

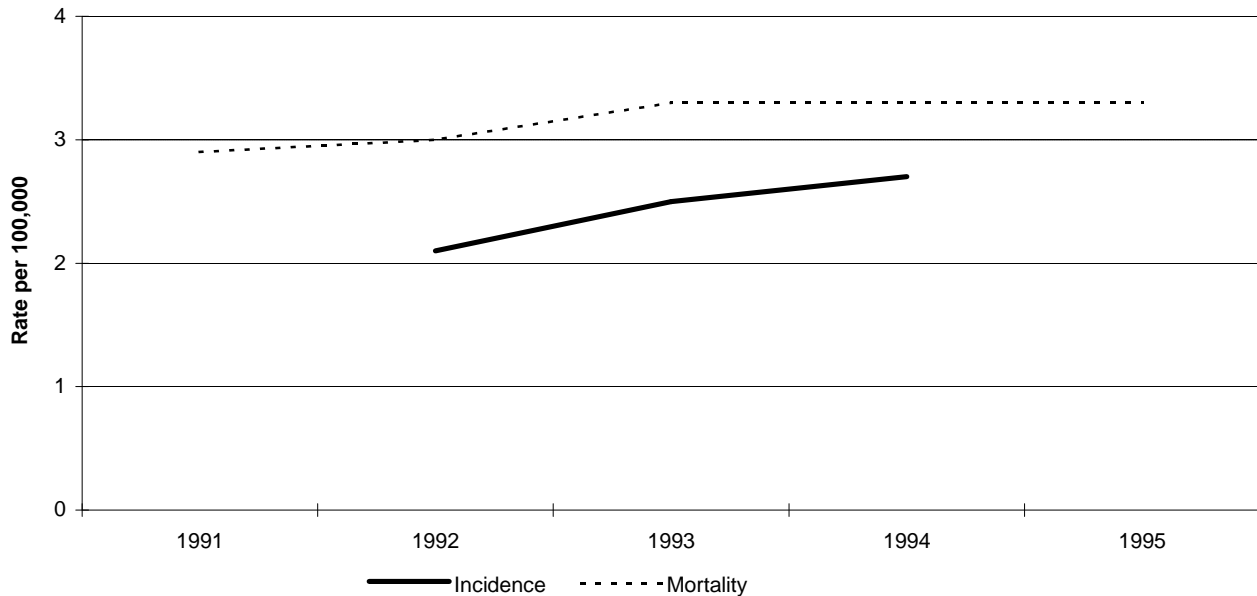


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1994 Washington State Residents Age-Specific Incidence Rates By Sex



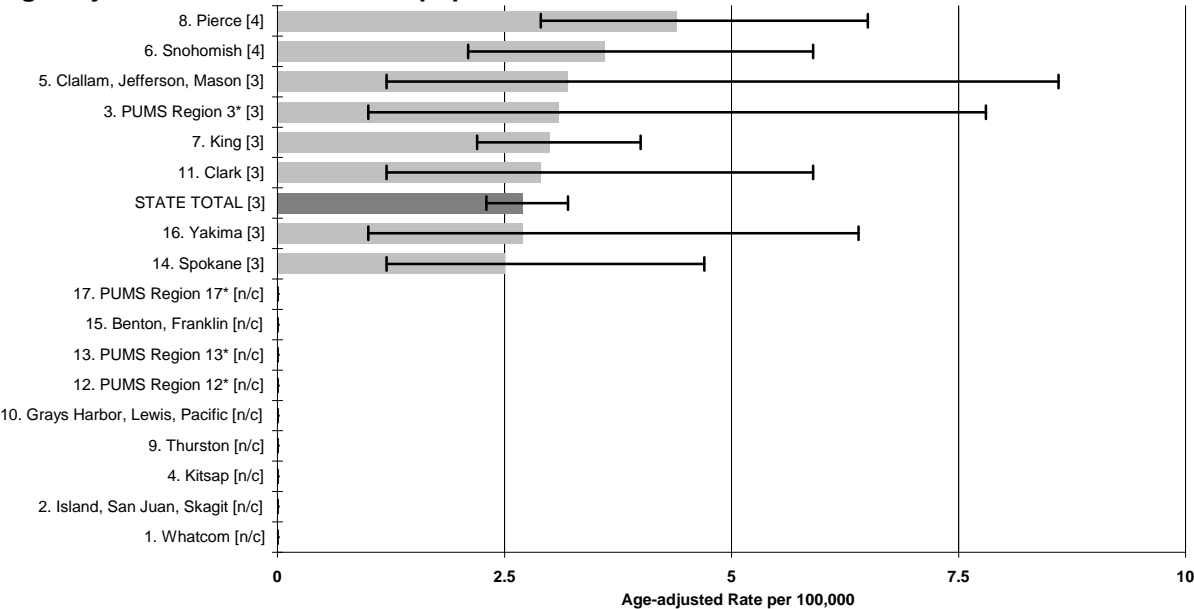
Washington State Residents Incidence and Mortality Rate Trends Age-adjusted to 1970 US census population



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1994 Washington State Residents

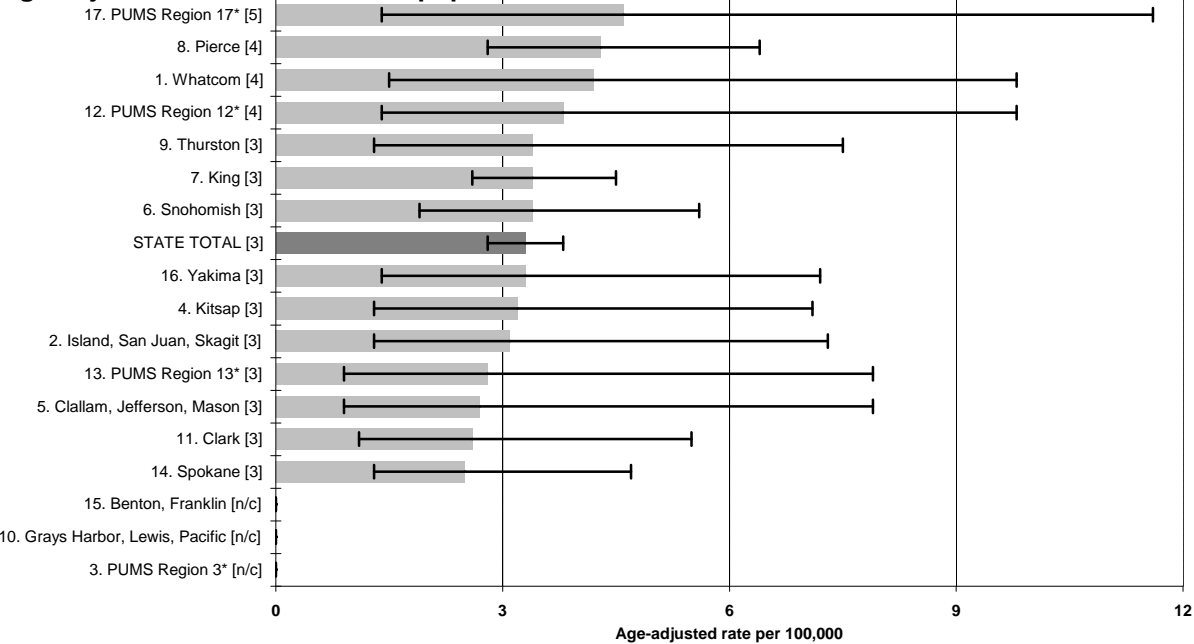
Incidence Rates by PUMS Regions with rates in []'s and 95% CIs in |—| Age-adjusted to 1970 US census population



Note: Rates and confidence intervals are not computed when the number of new cases is less than 5.

1994 Washington State Residents

Death Rates by PUMS Regions with rates in []'s and 95% CIs in |—| Age-adjusted to 1970 US census population



Note: Rates and confidence intervals are not computed when the number of new cases is less than 5.

* Region 3: Chelan, Douglas, Kittitas & Okanogan

Region 13: Adams, Ferry, Grant, Lincoln, Pend Oreille & Stevens

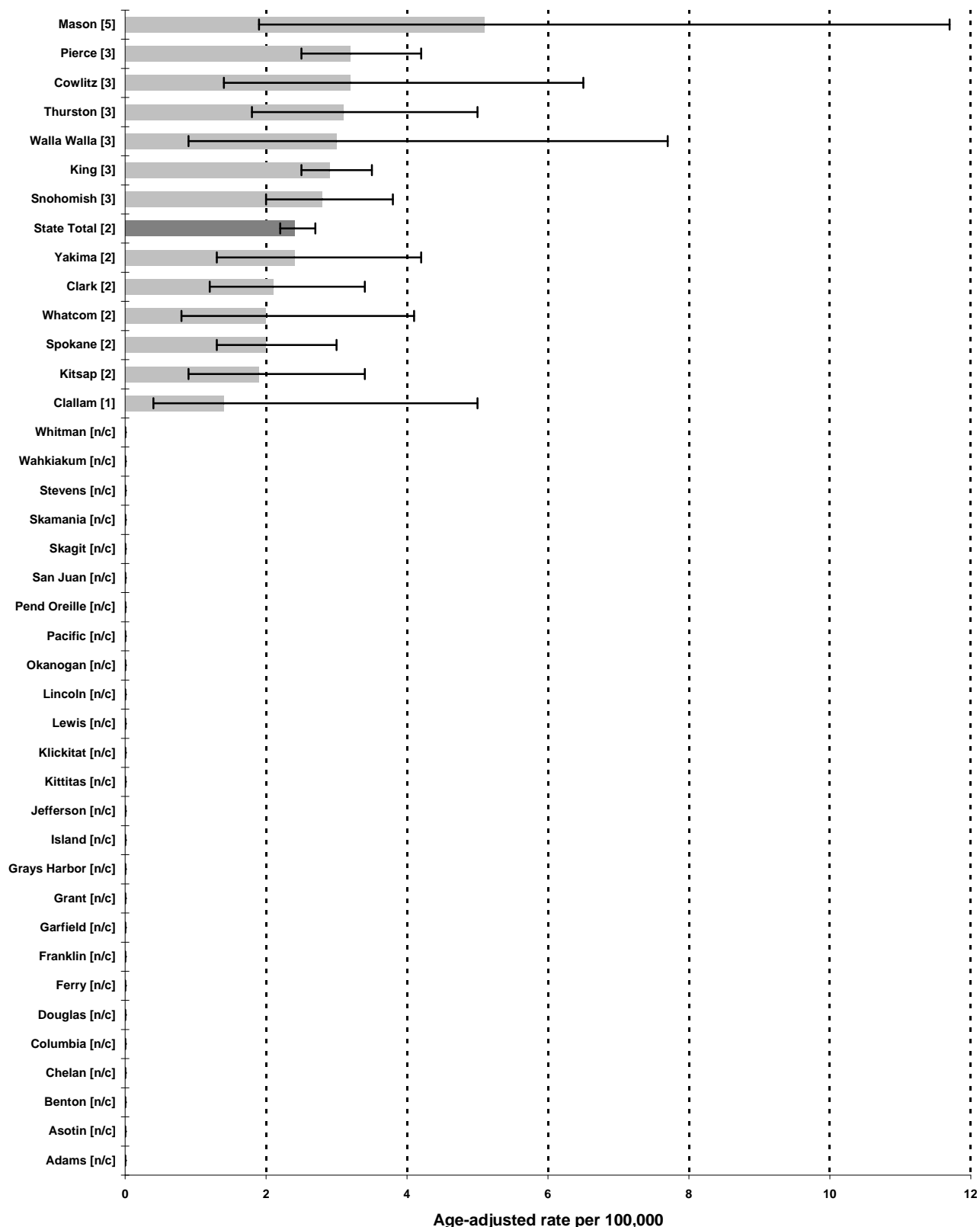
Region 12: Cowlitz, Klickitat, Skamania & Wahkiakum

Region 17: Asotin, Columbia, Garfield, Walla Walla & Whitman

Liver

1992-1994 Washington State Residents

Average Annual Incidence Rates by County with rates in []'s and 95% CI's |—| census population

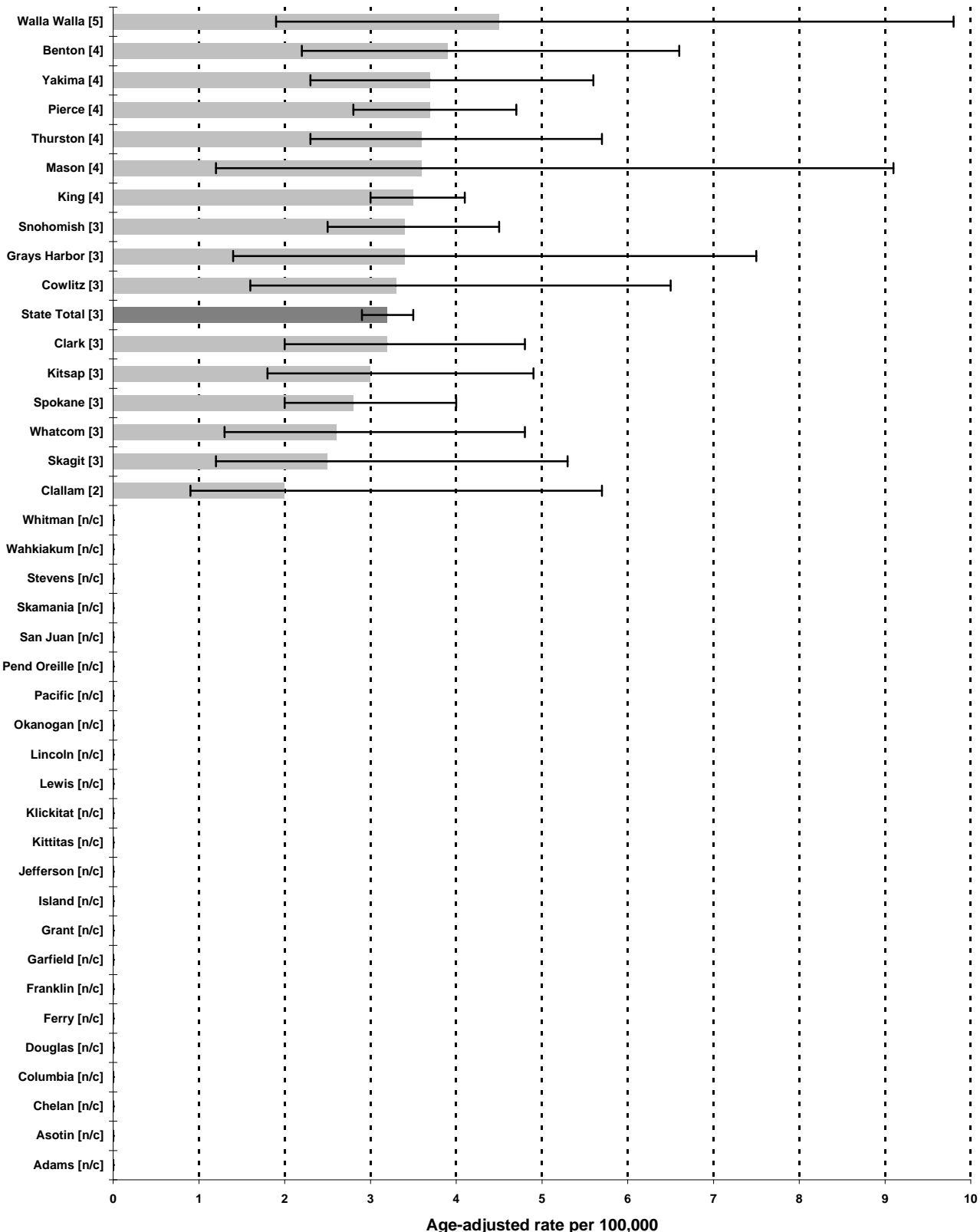


NOTE: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases is less than 5.

Liver

1992-1994 Washington State Residents

Average Annual Mortality Rates by County with rates in []'s and 95% CI's |—| census population



NOTE: Rates and confidence intervals are not computed when the 1992-1994 total number of deaths is less than 5.

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1992-1994 Washington State Residents

Average Annual Incidence and Deaths by County

with Age-Adjusted Rates and 95% Confidence Intervals

County	Incidence					Deaths				
	1992-1994 Annual Average					1992-1994 Annual Average				
	Average New Cases per Year	Age Adjusted to 1940 US Census Population	95% CI for Rates	Age Adjusted to 1970 US Census Population	95% CI for Rates	Average Deaths per Year	Age Adjusted to 1940 US Census Population	95% CI for Rates	Age Adjusted to 1970 US Census Population	95% CI for Rates
Adams	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Asotin	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Benton	1	n/c	n/c	n/c	n/c	5	3.0	(2 - 5)	3.9	(2 - 7)
Chelan	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Clallam	2	1.0	(0 - 5)	1.4	(0 - 5)	3	1.2	(1 - 5)	2.0	(1 - 6)
Clark	6	1.8	(1 - 3)	2.1	(1 - 3)	8	2.7	(2 - 4)	3.2	(2 - 5)
Columbia	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Cowlitz	3	3.0	(1 - 6)	3.2	(1 - 7)	4	2.4	(1 - 5)	3.3	(2 - 7)
Douglas	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Ferry	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Franklin	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Garfield	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Grant	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Grays Harbor	1	n/c	n/c	n/c	n/c	3	2.8	(1 - 7)	3.4	(1 - 8)
Island	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Jefferson	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
King	49	2.4	(2 - 3)	2.9	(3 - 4)	60	2.8	(2 - 3)	3.5	(3 - 4)
Kitsap	4	1.6	(1 - 3)	1.9	(1 - 3)	6	2.3	(1 - 4)	3.0	(2 - 5)
Kittitas	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Klickitat	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Lewis	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Lincoln	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Mason	2	4.6	(2 - 11)	5.1	(2 - 12)	2	2.7	(1 - 8)	3.6	(1 - 9)
Okanogan	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Pacific	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Pend Oreille	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Pierce	20	2.7	(2 - 4)	3.2	(3 - 4)	22	2.9	(2 - 4)	3.7	(3 - 5)
San Juan	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Skagit	1	n/c	n/c	n/c	n/c	3	2.0	(1 - 5)	2.5	(1 - 5)
Skamania	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Snohomish	13	2.2	(2 - 3)	2.8	(2 - 4)	16	2.7	(2 - 4)	3.4	(3 - 5)
Spokane	8	1.6	(1 - 3)	2.0	(1 - 3)	13	2.2	(2 - 3)	2.8	(2 - 4)
Stevens	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Thurston	6	2.5	(1 - 4)	3.1	(2 - 5)	7	2.8	(2 - 5)	3.6	(2 - 6)
Wahkiakum	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Walla Walla	2	2.5	(1 - 7)	3.0	(1 - 8)	3	3.8	(2 - 8)	4.5	(2 - 10)
Whatcom	3	1.5	(1 - 3)	2.0	(1 - 4)	4	2.1	(1 - 4)	2.6	(1 - 5)
Whitman	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Yakima	5	2.1	(1 - 4)	2.4	(1 - 4)	8	2.9	(2 - 5)	3.7	(2 - 6)
Unidentified	2	.	n/c	.	n/c	0	n/c	n/c	n/c	n/c
State Total	136	2.0	(2 - 2)	2.4	(2 - 3)	183	2.5	(2 - 3)	3.2	(3 - 4)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.

Liver

1994 Washington State Residents

Incidence and Incidence Rates by PUMS Region with Age-Adjusted Rates and 95% Confidence Intervals

PUMS Regions	Total					Male					Female				
	New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
(1) Whatcom	3	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(2) Island, San Juan, Skagit	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(3) Chelan, Douglas, Kittitas, Okanogan	5	2.6	(1 - 7)	3.1	(1 - 8)	1	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(4) Kitsap	3	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(5) Clallam, Jefferson, Mason	7	2.4	(1 - 8)	3.2	(1 - 9)	4	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(6) Snohomish	18	3.0	(2 - 5)	3.6	(2 - 6)	11	4.0	(2 - 8)	4.7	(2 - 9)	7	2.0	(1 - 5)	2.6	(1 - 6)
(7) King	49	2.5	(2 - 3)	3.0	(2 - 4)	36	3.8	(3 - 6)	4.8	(3 - 7)	13	1.4	(1 - 3)	1.6	(1 - 3)
(8) Pierce	27	3.7	(2 - 6)	4.4	(3 - 7)	15	4.4	(2 - 7)	5.4	(3 - 9)	12	3.2	(2 - 6)	3.7	(2 - 7)
(9) Thurston	4	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(10) Grays Harbor, Lewis, Pacific	3	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(11) Clark	8	2.3	(1 - 5)	2.9	(1 - 6)	4	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(12) Cowlitz, Klickitat, Skamania, Wahkiakum	4	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(13) Adams, Ferry, Grant, Lincoln, Pend Oreille, Stevens	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(14) Spokane	11	1.9	(1 - 4)	2.5	(1 - 5)	7	2.7	(1 - 6)	3.6	(1 - 8)	4	n/c	n/c	n/c	n/c
(15) Benton, Franklin	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(16) Yakima	6	2.4	(1 - 6)	2.7	(1 - 6)	3	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(17) Asotin, Columbia, Garfield, Walla Walla, Whitman	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Unidentified	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
STATE TOTAL	151	2.2	(2 - 3)	2.7	(2 - 3)	94	3.0	(2 - 4)	3.7	(3 - 5)	57	1.6	(1 - 2)	1.9	(1 - 3)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.

Liver

1994 Washington State Residents

Mortality and Mortality Rates by PUMS Region with Age-Adjusted Rates and 95% Confidence Intervals

PUMS Regions	Total					Male					Female				
	New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
(1) Whatcom	6	3.3	(1 - 8)	4.2	(2 - 10)	5	5.9	(2 - 15)	7.9	(3 - 19)	1	n/c	n/c	n/c	n/c
(2) Island, San Juan, Skagit	8	2.2	(1 - 6)	3.1	(1 - 7)	4	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(3) Chelan, Douglas, Kittitas, Okanogan	3	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(4) Kitsap	7	2.2	(1 - 5)	3.2	(1 - 7)	3	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(5) Clallam, Jefferson, Mason	6	1.9	(1 - 7)	2.7	(1 - 8)	5	3.6	(1 - 13)	4.9	(2 - 15)	1	n/c	n/c	n/c	n/c
(6) Snohomish	17	2.9	(2 - 5)	3.4	(2 - 6)	10	3.8	(2 - 7)	4.0	(2 - 8)	7	2.0	(1 - 5)	2.6	(1 - 6)
(7) King	58	2.7	(2 - 4)	3.4	(3 - 5)	41	4.4	(3 - 6)	5.4	(4 - 8)	17	1.3	(1 - 2)	1.7	(1 - 3)
(8) Pierce	26	3.5	(2 - 5)	4.3	(3 - 6)	13	3.7	(2 - 7)	4.6	(3 - 8)	13	3.3	(2 - 6)	4.1	(2 - 7)
(9) Thurston	7	2.8	(1 - 7)	3.4	(1 - 8)	6	5.0	(2 - 12)	6.3	(2 - 15)	1	n/c	n/c	n/c	n/c
(10) Grays Harbor, Lewis, Pacific	4	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(11) Clark	8	2.3	(1 - 5)	2.6	(1 - 6)	4	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(12) Cowlitz, Klickitat, Skamania, Wahkiakum	6	2.8	(1 - 8)	3.8	(1 - 10)	5	5.5	(2 - 16)	7.1	(2 - 19)	1	n/c	n/c	n/c	n/c
(13) Adams, Ferry, Grant, Lincoln, Pend Oreille, Stevens	5	2.2	(1 - 7)	2.8	(1 - 8)	2	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(14) Spokane	12	1.8	(1 - 4)	2.5	(1 - 5)	6	2.0	(1 - 5)	3.1	(1 - 7)	6	1.8	(1 - 5)	2.3	(1 - 6)
(15) Benton, Franklin	4	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(16) Yakima	8	2.7	(1 - 6)	3.3	(1 - 7)	4	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(17) Asotin, Columbia, Garfield, Walla Walla, Whitman	5	3.8	(1 - 10)	4.6	(1 - 12)	3	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
Unidentified	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
STATE TOTAL	190	2.6	(2 - 3)	3.3	(3 - 4)	116	3.6	(3 - 4)	4.5	(4 - 5)	74	1.8	(1 - 2)	2.3	(2 - 3)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.